N/A

1633

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 08/945,524

CRF Processing Date: 8/29/98
Edited by: _____
Verified by: _____ (STIC staff)

☑ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:

_____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____

ENTERED

☐ Added the mandatory heading and subheadings for "Current Application Data".

☑ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

_____

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

_____

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

☑ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:

_____

☐ Deleted extra, invalid, headings used by an applicant, specifically:

_____

☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as_____ .

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically:

_____

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JAN 07 1999
GROUP 1700

☑ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:

_____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted ***ending*** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☐ Other:

_____

_____

_____

_____

***Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.**

3/1/95

This Raw Listing contains the General Information Section and up to the first 5 pages.

Does Not Comply
Corrected Diskette Needed

SEQUENCE LISTING

(1) General Information

(1) (I) **APPLICANTS:**
Lenting, Hermanus Bernardus Maria
Van Beckhoven, Rudolf Franciscus Wilhelmus Cornelis
Maurer, Karl-Heinz
Kottwitz, Beatrix
Weiss, Albrecht
Van Solingen, Pieter

(ii)TITLE OF INVENTION: Detergents Comprising Cellulases

(iii)NUMBER OF SEQUENCES: Two 2

(iv)CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Henkel Corporation
(B) STREET: 140 Germantown Pike, Suite 150
(C) CITY: Plymouth Meeting
(D) STATE: Pennsylvania
(E) COUNTRY: U.S.A.
(F) ZIP: 19462

(v)COMPUTER READABLE FORM:
(A) MEDIUM TYPE: 3.5" diskette
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: MS-DOS
(D) SOFTWARE: MS Word 6.0

(vi)CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER:
U.S. Ser. No. 08/945,574
(B) FILING DATE:
unavailable
(C) CLASSIFICATION: (IPC)
C12N 9/42
C11D 3/386

(vii)PRIOR APPLICATION DATA
(A) APPLICATION NUMBERS:
PCT/EP96/01755
EP 95201115.3
U.S. 614,115
(B) FILING DATES:
26 Apr. 1996

28 Apr. 1995
12 Mar. 1996

(viii)ATTORNEY/AGENT INFORMATION:
(A) NAME: Murphy, Glenn E. J.
(B) REGISTRATION NUMBER: 33,539
(C) REFERENCE/DOCKET NUMBER: H 1920 PCT/US

(ix)TELECOMMUNICATION INFORMATION:
(A) TELEPHONE: (610) 832-2228
(B) TELEFAX: (610) 941-6067
--> (C) E-MAIL: Glenn.Murphy@Henkel-Americas.com

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 467 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(C) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

```
Met Lys Lys Ile Thr Thr Ile Phe Ala Val Leu Leu Met Thr Leu Ala
-26 -25                 -20                 -15

Leu Phe Ser Ile Gly Asn Thr Thr Ala Ala Asp Asp Tyr Ser Val Val
-10                  -5                   1                   5

Glu Glu His Gly Gln Leu Ser Ile Ser Asn Gly Glu Leu Val Asn Glu
              10                  15                  20

Arg Gly Glu Gln Val Gln Leu Lys Gly Met Ser Ser His Gly Leu Gln
          25                  30                  35

Trp Tyr Gly Gln Phe Val Asn Tyr Glu Ser Met Lys Trp Leu Arg Asp
      40                  45                  50

Asp Trp Gly Ile Thr Val Phe Arg Ala Ala Met Tyr Thr Ser Ser Gly
 55                  60                  65                  70

Gly Tyr Ile Asp Asp Pro Ser Val Lys Glu Lys Val Lys Glu Thr Val
                  75                  80                  85

Glu Ala Ala Ile Asp Leu Gly Ile Tyr Val Ile Ile Asp Trp His Ile
```

```
100                 90                  95                  100
101
102  Leu Ser Asp Asn Asp Pro Asn Ile Tyr Lys Glu Glu Ala Lys Asp Phe
103          105                 110                 115
104
105  Phe Asp Glu Met Ser Glu Leu Tyr Gly Asp Tyr Pro Asn Val Ile Tyr
106      120                 125                 130
107
108  Glu Ile Ala Asn Glu Pro Asn Gly Ser Asp Val Thr Trp Asp Asn Gln
109  135                 140                 145                 150
110
111  Ile Lys Pro Tyr Ala Glu Glu Val Ile Pro Val Ile Arg Asp Asn Asp
112                  155                 160                 165
113
114  Pro Asn Asn Ile Val Ile Val Gly Thr Gly Thr Trp Ser Gln Asp Val
115              170                 175                 180
116
117  His His Ala Ala Asp Asn Gln Leu Ala Asp Pro Asn Val Met Tyr Ala
118          185                 190                 195
119
120  Phe His Phe Tyr Ala Gly Thr His Gly Gln Asn Leu Arg Asp Gln Val
121      200                 205                 210
122
123  Asp Tyr Ala Leu Asp Gln Gly Ala Ala Ile Phe Val Ser Glu Trp Gly
124  215                 220                 225                 230
125
126  Thr Ser Ala Ala Thr Gly Asp Gly Gly Val Phe Leu Asp Glu Ala Gln
127                  235                 240                 245
128
129  Val Trp Ile Asp Phe Met Asp Glu Arg Asn Leu Ser Trp Ala Asn Trp
130              250                 255                 260
131
132  Ser Leu Thr His Lys Asp Glu Ser Ser Ala Ala Leu Met Pro Gly Ala
133          265                 270                 275
134
135  Asn Pro Thr Gly Gly Trp Thr Glu Ala Glu Leu Ser Pro Ser Gly Thr
136      280                 285                 290
137
138  Phe Val Arg Glu Lys Ile Arg Glu Ser Ala Ser Ile Pro Pro Ser Asp
139  295                 300                 305                 310
140
141  Pro Thr Pro Pro Ser Asp Pro Gly Glu Pro Asp Pro Gly Glu Pro Asp
142                  315                 320                 325
143
144  Pro Thr Pro Pro Ser Asp Pro Gly Glu Tyr Pro Ala Trp Asp Ser Asn
145              330                 335                 340
146
147  Gln Ile Tyr Thr Asn Glu Ile Val Tyr His Asn Gly Gln Leu Trp Gln
148          345                 350                 355
149
150  Ala Lys Trp Trp Thr Gln Asn Gln Glu Pro Gly Asp Pro Tyr Gly Pro
151      360                 365                 370
152
```

```
Trp Glu Pro Leu Lys Ser Asp Pro Asp Ser Gly Glu Pro Asp Pro Thr
375                 380                 385                 390

Pro Pro Ser Asp Pro Gly Glu Tyr Pro Ala Trp Asp Ser Asn Gln Ile
                395                 400                 405

Tyr Thr Asn Glu Ile Val Tyr His Asn Gly Gln Leu Trp Gln Ala Lys
            410                 415                 420

Trp Trp Thr Gln Asn Gln Glu Pro Gly Asp Pro Tyr Gly Pro Trp Glu
        425                 430                 435

Pro Leu Asn
    440
```

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 574 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

```
 Met Lys Trp Met Lys Ser Met Val Trp Leu Ala Val Val Leu Val Val
  1               5                  10                  15

 Ser Phe Val Ala Pro Ala Val Ser Ser Ala Asn Glu Asp Val Lys Thr
             20                  25                  30

 Leu Asp Ile Gln Ser Tyr Val Arg Asp Met Gln Pro Gly Trp Asn Leu
         35                  40                  45
 Gly Asn Thr Phe Asp Ala Val Gly Gln Asp Glu Thr Ala Trp Gly Asn
     50                  55                  60

 Pro Arg Val Thr Arg Glu Leu Ile Glu Arg Ile Ala Asp Glu Gly Tyr
 65                  70                  75                  80

 Lys Ser Ile Arg Ile Pro Val Thr Trp Glu Asn Arg Ile Gly Gly Ala
                 85                  90                  95

 Pro Asp Tyr Pro Ile Asp Pro Gln Phe Leu Asn Arg Val Asp Glu Val
             100                 105                 110

 Val Gln Trp Ala Leu Glu Glu Asp Leu Tyr Val Met Ile Asn Leu His
         115                 120                 125
```

```
206  His Asp Ser Trp Leu Trp Ile Tyr Glu Met Glu His Asn Tyr Asn Gly
207      130                 135                 140
208
209  Val Met Ala Lys Tyr Arg Ser Leu Trp Glu Gln Leu Ser Asn His Phe
210  145                 150                 155                 160
211
212  Lys Asp Tyr Pro Thr Lys Leu Met Phe Glu Ser Val Asn Glu Pro Lys
213                  165                 170                 175
214
215  Phe Ser Gln Asn Trp Gly Glu Ile Arg Glu Asn His His Ala Leu Leu
216              180                 185                 190
217
218  Asp Asp Leu Asn Thr Val Phe Phe Glu Ile Val Arg Gln Ser Gly Gly
219          195                 200                 205
220
221  Gln Asn Asp Ile Arg Pro Leu Val Leu Pro Thr Met Glu Thr Ala Thr
222      210                 215                 220
223
224  Ser Gln Pro Leu Leu Asn Asn Leu Tyr Gln Thr Ile Asp Lys Leu Asp
225  225                 230                 235                 240
226
227  Asp Pro Asn Leu Ile Ala Thr Val His Tyr Tyr Gly Phe Trp Pro Phe
228                  245                 250                 255
229
230  Ser Val Asn Ile Ala Gly Tyr Thr Arg Phe Glu Glu Asp Ser Lys Arg
231              260                 265                 270
232
233  Glu Ile Ile Glu Thr Phe Asp Arg Val His His Thr Phe Val Ala Arg
234          275                 280                 285
235
236  Gly Ile Pro Val Val Leu Gly Glu Phe Gly Leu Leu Gly Phe Asp Lys
237      290                 295                 300
238
239  His Thr Gly Val Ile Gln Gln Gly Glu Lys Leu Lys Phe Phe Glu Tyr
240  305                 310                 315                 320
241
242  Leu Ile His His Leu Asn Glu Arg Asp Ile Thr His Met Leu Trp Asp
243                  325                 330                 335
244
245  Asn Gly Gln His Phe Asn Arg His Thr Tyr Glu Trp Tyr Asp Glu Glu
246              340                 345                 350
247
248  Leu Phe Asp Met Leu Arg Ala Ser Trp Gly Gly Arg Ser Ser Val Ala
249          355                 360                 365
250
251  Glu Ser Asn Phe Ile Tyr Leu Lys Gln Gly Asp Arg Ile Ala Asp Ala
252      370                 375                 380
253
254  Thr Val Thr Leu Gln Leu His Gly Asn Glu Leu Thr Gly Leu Gln Ala
255  385                 390                 395                 400
256
257  Asn Gly Gln Arg Leu Thr Pro Gly Gln Asp Tyr Glu Leu Asn Gly Glu
258                  405                 410                 415
```

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION *US/08/945,574*

DATE: 08/29/98
TIME: 13:31:27

INPUT SET: S28291.raw

Line	Error	Original Text
5	Unknown or Misplaced Identifier	(I) APPLICANTS:
15	Number of Sequences (0) Doesn't Equal Actual Count (2)	(iii)NUMBER OF SEQUENCES: Two
36	Wrong Classification	(C) CLASSIFICATION: (IPC)
43	Response Exceeds Line Limitations	EP 95201115.3
44	Response Exceeds Line Limitations	U.S. 614,115
45	Unknown or Misplaced Identifier	(B) FILING DATES:
61	Unknown or Misplaced Identifier	(C) E-MAIL: Glenn.Murphy Henkel-Americas.com